

Roadway Segment Analysis

Table 4.9 shows the level of service for roadway segments along the Ramon Road corridor. The volume to capacity ratios are calculated using micro-simulation green times and number of lanes at ends of each link. See **Appendix E** for ADT calculations.

Table 4.9 Existing Capacity Analysis

Ramon Road	ADT	CAPACITY	V/C	LOS
West of Landau	43,473	68,550	0.634	B
West of Cathedral Canyon	38,659	70,272	0.550	A
West of Date Palm	32,538	97,056	0.335	A
East of Date Palm	29,682	59,904	0.495	A
West of Da Vall	27,060	81,216	0.333	A
East of Da Vall	26,773	73,440	0.365	A
Landau Blvd				
North of Ramon	18,495	28,224	0.655	B
Cathedral Canyon/Maravilla				
North of Ramon	4,532	22,464	0.202	A
South of Ramon	16,053	33,264	0.483	A
Date Palm				
North of Ramon	25,532	43,488	0.587	A
South of Ramon	26,413	43,488	0.607	B
Da Vall				
North of Ramon	10,187	21,312	0.478	A
South of Ramon	14,189	26,496	0.536	A

Roadway Segment Analysis

Table 7.5 shows the estimated level of service for roadway segments along the Ramon Road corridor. The volume to capacity ratios are calculated using micro-simulation green times and number of lanes at ends of each link. See **Appendix E** for ADT calculations.

Table 7.5 Long Term Capacity Analysis

Ramon Road	ADT	CAPACITY	V/C	LOS
West of Landau	63,700	69,211	0.920	E
West of Cathedral Canyon	49,700	70,560	0.704	C
West of Date Palm	53,300	96,624	0.552	A
East of Date Palm	49,267	61,632	0.799	C
West of Da Vall	52,033	88,416	0.589	A
East of Da Vall	66,600	70,272	0.948	E
Landau Blvd				
North of Ramon	21,269	27,792	0.765	C
Cathedral Canyon/Maravilla				
North of Ramon	5,212	23,616	0.221	A
South of Ramon	18,461	33,264	0.555	A
Date Palm				
North of Ramon	33,933	44,208	0.768	C
South of Ramon	32,533	43,488	0.748	C
Da Vall				
North of Ramon	29,433	24,912	1.181	F
South of Ramon	21,000	30,240	0.694	C

7.3 Summary of Long Term Conditions

Using existing lane configurations, the PM peak period experiences frequent congestion. Existing road segment widths do not adequately support future volumes along Ramon Road west of Landau and east of Da Vall. All other road segments provide adequate capacity such that vehicles may maintain their desired speed. **Table 7.6** summarizes intersection conditions.

Table 7.6 Long Term Intersection Summary

Intersection	Issues
Ramon and Landau	Significant eastbound queuing on the bridge.
Ramon and Cathedral Canyon	Significant queuing in all approaches. West and eastbound queuing blocks cross streets such as Alvera or Roundup.
Ramon and Date Palm	All single lane left turn bays spillover to frequently block through lanes.
Ramon and Cathedral Village	Eastbound frequently backs up to block Date Palm.
Ramon and Da Vall	Capacity of single north and south through lanes is exceeded. Major queuing occurs if green is extended to serve these vehicles.

